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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Frank L. Hall

Serial No.: 10/706,575

Filed: November 12, 2003

For: BALL GRID ARRAY SUBSTRATES
VIA USE OF A LASER (as amended)

Confirmation No.: 6661

Examiner: S. Heinrich

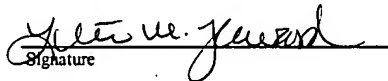
Group Art Unit: 1725

Attorney Docket No.: 2269-4718.1US
(00-0316.01/US)

CERTIFICATE OF MAILING

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November 21, 2005
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
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Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of U.S. patents and U.S. patent publications are not being submitted pursuant to M.P.E.P. 609 III A(2).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as

defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 4,746,390	05/24/1988	Badalec et al.
US - 5,254,501	10/19/1993	Tung et al.
US - 5,364,493	11/15/1994	Hunter, Jr. et al.
US - 5,504,303	04/02/1996	Nagy
US - 5,569,399	10/29/1996	Penney et al.
US - 5,635,671	06/03/1997	Freyman et al.
US - 5,711,698	01/27/1998	Chakraborty et al.
US - 5,852,870	12/29/1998	Freyman et al.
US - 5,886,398	03/23/1999	Low et al.
US - 6,025,256	02/15/2000	Swenson et al.
US - 2003/0003688 A1	01/02/2003	Tandy et al.
US - 6,572,606 B2	06/03/2003	Kliwer et al.
US - 6,670,222 B1	12/30/2003	Brodsky
US - 6,710,265 B2	03/23/2004	Owens


Serial No. 10/706,575

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed after the mailing date of the first Office Action on the merits.

The fee pursuant to 37 C.F.R. § 1.17(p) is enclosed.

Respectfully submitted,

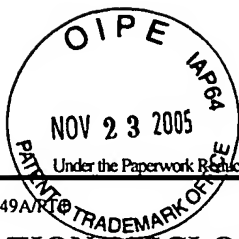


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Date: November 21, 2005
JRD/ljb:lmh

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/706,575
Filing Date	November 12, 2003
First Named Inventor	Frank L. Hall
Group Art Unit	1725
Examiner Name	S. Heinrich
Attorney Docket Number	2269-4718.1US (00-0316.01/US)

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-4,746,390	05/24/1988	Badalec et al.	
		US- 5,254,501	10/19/1993	Tung et al.	
		US- 5,364,493	11/15/1994	Hunter, Jr. et al.	
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		US- 2003/0003688 A1	01/02/2003	Tandy et al.	
		US- 6,572,606 B2	06/03/2003	Kliwer et al.	
		US- 6,670,222 B1	12/30/2003	Brodsky	
		US- 6,710,265 B2	03/23/2004	Owens	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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